

TRAFFIC CONTROL PLAN AND SPECIFICATIONS PURSUANT TO G.3.3 SAFETY

Unless otherwise agreed, the following measures are required to provide adequate warning of hazards for users of roads and trails adjacent to Contractor's Operations.

Part I. Signing and Other Warning Methods:

(a) Signs. The following signs are required when Contractor's Operations are in progress adjacent to or on Forest Service controlled roads and trails:

MINIMUM LETTER SIZE AND LEGEND	MINIMUM SIZE AND SHAPE	WHEN AND WHERE REQUIRED
1. LOGGING OPERATIONS NEXT _____ MILES (4" letters)	24" (rectangle) 36"	Min. 100 ft. outside of any continuous work areas, on roads listed in K-F.3.1# and trails listed in Part II.
2. LOGGING OPERATIONS (3" letters)	24" (diamond) 24"	To be used in conjunction with "Logging Operations Next _____ Miles" and where work area is not continuous.
3. FOR LOGGING USE ONLY (3" letters)	24" (diamond) 24"	Required where roads listed in K-F.3.1# and temporary roads intersect with K-F.3.1# roads. Install a cross ditch to discourage use when sign is covered or removed for extended periods.
4. TRUCKS (4" letters)	24" (diamond) 24"	At critical intersections on roads listed in K-F.3.1# when traffic is heavy or otherwise exceeds volumes stated in Part II below. Remove or cover when the sign is not applicable.
5. END LOGGING OPERATIONS (4" letters)	24" (rectangle) 36"	Use in conjunction with "Logging Operations Next _____ Miles" and "Logging Operations."
6. TREE FELLING AHEAD (3" letters)	24" (diamond) 24"	Required 200 feet in advance of danger area where timber is being felled adjacent to all roads, including temporary roads, and trails.
7. ROAD MACHINERY AHEAD (3" letters)	24" (diamond) 24"	Required at least 200 feet in advance of Contractor road maintenance operations on roads listed in Schedule K-F.3.1#.

TRAFFIC CONTROL PLAN AND SPECIFICATIONS - G.3.3 Safety (continued)

All signs shall meet requirements as specified in Parts I and VI of the Manual of Uniform Traffic Control Devices (MUTCD).

Sign borders and lettering shall be black. Borders are 1/2 inch wide, inset 1/2 inch from outside edge of sign. All sign backgrounds shall be orange, except signs #1 and 5 which shall be reflectorized orange.

Signs shall be installed on posts, with a 5 foot minimum ground clearance, or on temporary supports complying with MUTCD standards.

All signs are to be removed or covered when operations are interrupted for seasonal nonuse or other extended periods.

Contractor shall furnish flag personnel and advance warning signs when cable or helicopter logging above roads or trails, felling adjacent to roads or trails, where logs being bucked may roll into roads or trails, and in areas where fallout from blasting may occur. On roads listed in K-F.3.1# and temporary roads, Contractor may temporarily block the road in lieu of furnishing flag personnel.

(b) Barricades. On roads listed in K-F.3.1#, if Contractor's Operations cause the traveled way or road shoulders to be constricted overnight, or longer, by such obstructions as decked logs, parked equipment, or piled slash, Contractor shall place barricades on both sides of the encroaching obstruction to safely channel traffic around such obstructions. Barricades shall remain in place until the obstruction is removed.

Barricades shall be Type II and meet specifications in MUTCD, Part VI. Barricades must be at least 3 feet high. Rails must be at least 2 feet long. Striping shall be alternating orange and white, sloping at a 45 degree angle, and reflectorized. For rails 2 feet to 3 feet long, striping shall be 4 inches wide. For rails longer than 3 feet, striping shall be 6 inches wide. Two rails, 8-12 inches in width, must face each direction.

Barricades shall be equipped with warning lights which shall be Type A low intensity flashing and shall be maintained so as to be capable of being visible on a clear night from a distance of 3,000 feet.

(c) Other Traffic Control Methods. The posting of CB channel signs may be authorized.

On roads listed in K-F.3.1#, Contractor may be authorized to install temporary gates, barricades (except cables), or natural barriers. The devices must be installed with the necessary hazard markers, be reasonably passable by Forest Service, and be removed prior to acceptance of the subdivision being served by the road.

TRAFFIC CONTROL PLAN AND SPECIFICATIONS - G.3.3 SAFETY (continued)

Part II. Specific Requirements:

There are no additional requirements.

Contractor and Forest Service agree to the above stated requirements of the Traffic Control Plan:

Name

Name

Title

Title

Date

Date

PRESCRIPTION PURSUANT TO K-C.3.5.5# - DESIGNATION BY PRESCRIPTION (9/2004)

Table 1 - Prescription Criteria

Subdivision Number	Designated Cut Tree Species	Average Leave Trees per Acre	Average Spacing Between Leave Trees (Feet)	Acceptable Range in Spacing Between Trees (Feet)
45	Douglas-fir	50	30'	22'-38'
94	Douglas-fir	55	28'	21'-35'
105	Douglas-fir	50	30'	22'-38'
124	Douglas-fir	50	30'	22'-38'

Prescription Criteria:

Use the average spacing figures listed in Table 1 as a "general" guideline in achieving the average number of desired leave trees per acre. Actual leave tree spacing will vary by as much as $\pm 25\%$, as shown in column 5 above, to best achieve the specific prescription criteria explained below. *See Prescription Criteria #6-#10 below for individual tree release, gap creation and marbled murrelet habitat protection.

Prescription Criteria:

1. Leave the largest and most vigorous live trees wherever possible. Accomplish this by varying the leave tree spacing by as much as 25%. Clumping of the larger codominant trees is desirable, but be sure to widen the spacing elsewhere to ensure that the average number of leave trees per acre is maintained.
3. To facilitate harvest operations, all tree species are designated cut trees within the width of approved skyline corridors and skid roads.
4. Outside of approved skyline corridors and skid trails, all western hemlock, Sitka spruce and western red cedar trees shall be left and will be counted as leave trees if their diameters at breast height are 12 inches or greater.
5. Outside of approved skyline corridors and skid trails, all hardwoods and dead trees shall be retained but not counted to achieve the desired average leave trees shown in Table 1.
6. In subdivisions 94, 105 and 124; all designated cut tree species shown in Table 1 above shall be cut within **50 feet** of any marked leave tree with a single pink band. The leave trees are marked with a single **pink paint** band at diameter breast height and stump mark on the downhill side of the tree.
7. In subdivision 45 all designated cut tree species shown in Table 1 above shall be cut within **50 feet** of any marked leave tree with a single orange band. The leave trees are marked with a single **orange paint** band at diameter breast height and stump mark on the downhill side of the tree.

PRESCRIPTION PURSUANT TO K-C.3.5.5# - DESIGNATION BY PRESCRIPTION (9/2004)

8. In subdivisions 94, 105 and 124, half acre and one acre gaps will be created. Gap centers are designated by a leave tree marked with a single **pink paint** band, stump mark and 4 pink tags labeled with the specified distance. The specified distance is either **83 feet** (radius) to create **half** acre gaps or **118 feet (radius)** to create acre gaps. All designated cut tree species shown in Table 1 above shall be cut within the specified distance on the tag from gap centers.

9. In subdivision 45, half acre and one acre gaps will be created. Gap centers are designated by a leave tree marked with a single **orange paint** band, stump mark and 4 pink tags labeled with the specified distance. The specified distance is either **83 feet** (radius) to create **half** acre gaps or **118 feet** (radius) to create acre gaps. All designated cut tree species shown in Table 1 above shall be cut within the specified distance on the tag from gap centers.

10. In subdivision 94 and 105, do not cut any trees marked with **double pink paint** bands at diameter breast height with stump mark on the downhill side of the tree. These trees are left to protect marbled murrelet habitat.

The contractor is responsible to meet the above Table 1 - Prescription Criteria. The leave tree and cut tree selection process will be closely monitored by the Contract administrator. This monitoring will take place during the felling operation.

Table 2 provides the average desired leave trees per 1/10th acre plot.

Table 2

Average Leave Trees per Acre	Average Leave Trees per 1/10 th Acre Plot
50	5.0
55	5.5

Areas of felled and bucked timber will be checked and approved by the Forest Service before yarding begins. In the event that the Forest Service inspection indicates that the number of counted leave trees falls outside of the acceptable trees per acre, the Forest Service will either designate additional trees to be felled, designate standing trees to be left, or identify felled trees to be left to make the correction.

REMOVAL SCHEDULE PURSUANT TO K-D.4.7# - ABNORMAL DELAY. (5/2005)REMOVAL SCHEDULE

<u>Included Timber</u>	<u>Time Limits</u>
All.	60 days after felling is started.
All timber decked during construction clearing.	60 days after felling on each Specified Road constructed by Contractor is initiated.
Timber decked during road construction.	60 days after Forest Service authorizes Contractor to use roads pursuant to F.2.

PLANS AND/OR CRITERIA PURSUANT TO K-F.1.0.1# - TEMPORARY ROAD AND LANDING
CONSTRUCTION (OPTION 1) (06/2008)

No plans or criteria are included. Contractor is required to supply plans and/or criteria to the Forest Service prior to beginning construction work.

*Forest Service sources are not available. Approximately 70 cubic yards of rock will be needed. All rock shall be from commercial sources. All materials incorporated into work from Contractor provided sources will be "weed free". The Contracting Officer may request written confirmation of methods utilized to insure weed-free status

TABLE A PURSUANT TO K-F.1.2# - USE OF ROADS BY CONTRACTOR. (9/2004)

Restricted Road List

Road Number	Road Name	Termini		Map Legend	Description of Restrictions
		From	To		
All Roads listed in K-F.3.1# and all Temporary Roads.				R	Road use for vehicles over 26,000 pounds GVWR shall be suspended when rainfall exceeds 1.0 inch in 24 hours. This suspension shall be for 24 hours after the 1.0 inch rain event. Contractor shall monitor rainfall accumulation from a Remote Automated Weather Station (RAWS) location to be agreed upon at the Pre-work Meeting.
8533 1400		MP0 MP3.30	MP4.95 MP6.30	U U	Unsuitable for hauling prior to completion of reconstruction.

Title and Date of Governing Road Rules Document:

Siuslaw National Forest Road Rule

(Commercial Road Rules)

April 2012

(Effective Date)

TABLE PURSUANT TO K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS. (9/2004)

Contract Road Maintenance Requirements Summary

Road	Termini		Miles	Applicable Prehaul Road Maintenance Specifications												
	From	To		T-811	T-813	T-815	T-831	T-832	T-834	T-835	T-836	T-838	T-839	T-842	T-851	T-854
1400	1404	Unit 94 Ldg C	2.97	P	P		P	P	P		P			P	P	P
1400-144	1400-145	MP 0.14	0.14	P	P		P	P	P				P	P	P	P
1400-145	1400	MP 0.58	0.58	P	P		P	P	P				P	P	P	P
1404	1400	MP 1.85	1.85	P	P		P	P	P		P			P	P	P
1404-113	1404	MP 0.10	0.10	P	P		P	P	P				P	P	P	P
1404-114	1404	MP 0.14	0.14	P	P		P	P	P				P	P	P	P
8533 Seg.1	TIL-858	MP 0.24	0.24			P	P	P	P		P			P	P	P
8533 Seg.2	1400	MP 4.95	4.71	P	P		P	P	P		P			P	P	P
8533-126	8533	MP 0.27	0.27	P	P		P	P	P				P	P	P	P

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road	Termini		Miles	Applicable During haul Road Maintenance Specifications												
	From	To		T-811	T-813	T-815	T-831	T-832	T-834	T-835	T-836	T-838	T-839	T-842	T-851	T-854
1400	1404	Unit 94 Ldg C	2.97	P	P		P	P	P		P			P	P	P
1400-144	1400-145	MP 0.14	0.14	P	P		P	P	P				P	P	P	P
1400-145	1400	MP 0.58	0.58	P	P		P	P	P				P	P	P	P
1404	1400	MP 1.85	1.85	P	P		P	P	P		P			P	P	P
1404-113	1404	MP 0.10	0.10	P	P		P	P	P				P	P	P	P
1404-114	1404	MP 0.14	0.14	P	P		P	P	P				P	P	P	P
8533 Seg.1	TIL-858	MP 0.24	0.24			P	P	P	P		P			P	P	P
8533 Seg.2	1400	MP 4.95	4.71	P	P		P	P	P		P			P	P	P
8533-126	8533	MP 0.27	0.27	P	P		P	P	P				P	P	P	P

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

TABLE PURSUANT TO K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS. (9/2004)

Contract Road Maintenance Requirements Summary

Road	Termini		Miles	Applicable Post Haul Road Maintenance Specifications												
	From	To		T-811	T-813	T-815	T-831	T-832	T-834	T-835	T-836	T-838	T-839	T-842	T-851	T-854
1400	1404	Unit 94 Ldg C	2.97	P	P		P	P	P		P			P	P	P
1400-144	1400-145	MP 0.14	0.14	P	P		P	P	P				P	P	P	P
1400-145	1400	MP 0.58	0.58	P	P		P	P	P				P	P	P	P
1404	1400	MP 1.85	1.85	P	P		P	P	P		P			P	P	P
1404-113	1404	MP 0.10	0.10	P	P		P	P	P				P	P	P	P
1404-114	1404	MP 0.14	0.14	P	P		P	P	P				P	P	P	P
8533 Seg.1	TIL-858	MP 0.24	0.24			P	P	P	P		P			P	P	P
8533 Seg.2	1400	MP 4.95	4.71	P	P		P	P	P		P			P	P	P
8533-126	8533	MP 0.27	0.27	P	P		P	P	P				P	P	P	P

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Description of work required by the above listed T-specs is shown in the following ROAD MAINTENANCE REQUIREMENTS SPECIFICATION table, and included in the Contract.

ROAD MAINTENANCE REQUIREMENTS SPECIFICATION TABLE PURSUANT TO
K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (9/2004)

1	2	3			4	5	6			7	8	9	
Road No. and Termini	Special Project Specifi- cation	Travel Way			Brushing And Log Out	Surfacing	Dust Abatement			Seasonal Mainte- nance	Snow Removal	Post Haul	
		Width	X Slope	Comp			Product	Applic Rate	Width			Block	Treat
1400		EX	AI	B	4ft R&L	300 CY Grading C							
1400-144 MP 0.14	T-835-F12-1	EX	AI	A	4ft R&L	10 CY Grading C				W B		P	P
1400-145 MP 0.58	T-835-F12-1	EX	AI	A	4ft R&L	30 CY Grading C				W B		P	P
1404 MP 1.85	T-835-F12-2	EX	AI	A	4ft R&L	180 CY Grading C				W			P
1404-113 MP 0.10	T-835-F12-1	EX	AI	A	4ft R&L	10 CY Grading C				W B		P	P
1404-114 MP 0.14	T-835-F12-1	EX	AI	A	4ft R&L	10 CY Grading C				W B		P	P
8533 Seg 1 MP 0.24	T-815-F1	EX	AI	A	4ft R&L								
8533 Seg 2 MP 4.95		EX	AI	B	4ft R&L	480 CY Grading C							
8533-126 MP 0.27	T-835-F12-1	EX	AI	A	4ft R&L	30 CY Grading C				W B		P	P
Water bars*						290 CY Grading Q							

* Waterbar rock is included to patch over bladed out existing water bars

1/ All materials incorporated into work from Contractor provided sources will be "weed free". The Contracting Officer may request written confirmation of methods utilized to insure weed-free status.

ROAD MAINTENANCE REQUIREMENTS SPECIFICATION CODES TABLE PURSUANT TO
K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (9/2004)

Column No.	Heading	Entry	Explanation
	Any	Blank	Except as otherwise described, no entry indicates Contractor is not authorized or required to perform the work item(s).
	Any	RC	This work requirement applies only when haul of Contract related construction materials occurs.
2	Special Project Specification	Number	Entry indicates Special Project Specification which applies.
3	Travel Way	EX	Contractor shall maintain the traveled way to the width existing upon entry, or at the completion of Specified Road work.
		Numbers	Contractor shall maintain the traveled way to the standard width indicated by the entry, plus curve widening, in accordance with Section T-811. If required, the road template shall be shaped to this width and to the designated cross slope before haul and during recurring maintenance.
		IS, C, OS, F, or AI	Cross slopes are designated as: IS (Inslope), C (Crown), OS (Outslope), F (Flat), AI (As Is).
		A or B	If compaction is required.
4	Brush and Log Out	Numeric & R and or L	Contractor shall remove brush for specified width on either or both the right (R) side or left (L) side of road.
		As Staked	Limits of brushing are as staked or marked in the field.
		OPT	Contractor may use hand or mechanical means of brushing.
		H	Only hand brushing may be used.
5	Surfacing	Aggregate Grading	Contractor shall place surfacing on roads listed according to the grading indicated.
		D	Contractor is to make deposits for listed road maintenance, including surface rock replacement.
6	Dust Abatement	OPT	Product selection is Contractor's choice from those listed in Section T-812.
		Product Abbr.	Unless otherwise agreed, Contractor is restricted to product listed corresponding to the abbreviation shown in Section T-812; (i.e., LigS = Lignon Sulfonate) Application rates are estimated amounts.
		EX	Contractor shall abate dust on the existing width
		Numbers	Contractor shall abate dust to the width indicated by entry.
7	Seasonal Maintenance	W	Waterbars and/or crossditching shall be required prior to expected seasonal precipitation.
		B	Entrance barriers shall be installed by Contractor prior to nonuse periods.
8	Snow Removal	TS	Snowplowing authorized for Contractor's Operations without recreation access being provided per Section T-803 requirements.
		JU	Snowplowing authorized, but must provide for recreation joint use per Section T-803 requirements.
		Blank	Snowplowing is not authorized. Forest Service may authorize plowing by permit when not in conflict with other uses.
9	Post Haul	P	P denotes that work is Contractor's Responsibility to perform.

SCHEDULE PURSUANT TO K-G.3.1.5# - PROJECT OPERATION SCHEDULE (05/2005)

Subdivision	Operating Conditions	Purpose
R/W	All ditch clean-out with ground disturbing equipment, such as an excavator, shall be restricted to June 15 through October 15.	<u>2/</u>
All	Installing and removing in-stream culverts shall be restricted to July 1 through September 15.	<u>2/</u>
All	Road Construction/Reconstruction (including Temporary Roads) and landing construction shall be restricted to July 1 through October 15.	<u>2/</u>
All	Ground based felling, yarding and machine piling is restricted to July 1 through October 15.	<u>2/</u>
All	All road brushing on system roads not subject to T-836, T-838, or T-839 in K-F.3.1# shall be restricted to June 1 through September 15.	<u>3/</u>
All wind prone areas*	Felling and yarding complete one year prior to starting Stewardship project 2.	<u>4/</u>
45, 124	Hourly Restrictions: All operations, except haul, that involve use of heavy equipment or power-tools (such as chainsaws) shall be restricted between April 1 and September 15 to two hours after sunrise to two hours before sunset. Felling and yarding and machine piling: no seasonal restrictions. Haul-Move-in/out: no restriction on system roads; temporary roads restricted from July 1 through October 15.	<u>1/</u> <u>2/</u>
94	Hourly Restrictions: All operations, except haul, that involve use of heavy equipment or power-tools (such as chainsaws) shall be restricted between April 1 and September 15 to two hours after sunrise to two hours before sunset. Felling and yarding and machine piling shall be restricted to August 6 through March 31. Haul-Move-in/out: no restriction on system roads; temporary roads restricted from July 1 through October 15.	<u>1/</u> <u>1/</u> <u>2/</u>
105	Hourly Restrictions: All operations, except haul, that involve use of heavy equipment or power-tools (such as chainsaws) shall be restricted between April 1 and September 15 to two hours after sunrise to two hours before sunset. Felling and yarding and machine piling shall be restricted to August 6 through March 31. Haul-Move-in/out: no restrictions.	<u>1/</u> <u>1/</u>

1/ To minimize disturbance to Marbled Murrelets or Spotted owls during the nesting season that are within 100 yards of mature or old growth forest.

2/ To minimize streamcourse sedimentation due to wet weather operations.

3/ To maximize the effectiveness of brushing along the haul route.

4/ To allow wind prone areas to naturally create down wood that will be included in the count towards quantities accomplished in Stewardship project 2. *Wind prone areas will be determined by the contract administrator.

TABLE PURSUANT TO K-G.4.1# - SPECIFIC REQUIREMENTS (05/2005)FELLING METHODS

Trees shall be felled away from paved roads, private property, Streamcourses, buffers, and leave areas, and to the lead of cable corridors and ground-based skid roads. Any tree that falls in a Streamcourse or a buffer shall be left in place unless otherwise approved by the Forest Service for removal. Trees shall be felled away from double banded trees in subdivisions 94 and 105.

SUBDIVISIONS

All

FELLING EQUIPMENT

Mechanical felling machinery may be used on portions of subdivisions where ground based yarding is part of your Technical proposal, and accepted by the Forest Service.

SUBDIVISIONS

All

TABLE PURSUANT TO K-G.4.2# - YARDING/SKIDDING REQUIREMENTS (05/2005)

YARDING/SKIDDING REQUIREMENTS	SUBDIVISIONS
<p>If included in your Technical Proposal and accepted by the Forest Service, a skyline system must be capable of:</p> <ul style="list-style-type: none"> • keeping one end of the log suspended during inhaul (logs may drag on the ground within 100 feet slope distance of tailholds and 50 feet slope distance of landings). • lateral yarding up to 75 feet • keeping the entire length of logs fully suspended above the ground 50 feet each side of protected Streamcourses during inhaul when yarding across protected Streamcourses. <p>Skyline corridors/cableways:</p> <ul style="list-style-type: none"> • maximum width of 12 feet • minimum spacing of 120 feet at the far end • no more than 20 percent of the canopy would be removed in any given 1,000-foot reach of stream when passing through riparian buffers. 	All
<p>If contractor chooses to tailhold on private land or land under other ownership, prior to the start of operation in those subdivisions, contractor will have to get written permission from the landowner and provide the Forest Service with a copy of the written permission.</p>	All
<p>No tailholds, guyline anchors or mobile tailholds are allowed in the Inventoried Roadless Area.</p>	All
<p>If included in your Technical Proposal and accepted by the Forest Service, a ground-base machine must be capable of keeping one end of the log suspended during skidding.</p> <p>Skid trails:</p> <ul style="list-style-type: none"> • maximum width of 15 feet • average trail spacing of 100 feet <p>The ground-base machine will not be allowed on slopes greater than 30 percent. Where practical, machine shall travel on slash.</p>	All
<p>Prior to yarding, Forest Service shall approve Included Timber pursuant to K-C.3.5.5#.</p>	All
<p>The tops shall be severed or broken off from at least 20 percent of the felled trees prior to yarding. These severed or broken tops shall be left on site (not yarded or removed) scattered over 80 percent of the cutting unit. A top is defined as that portion of the tree 6 inches DIB or smaller on the large end.</p>	All

APPLICATION SCHEDULE PURSUANT TO K-G.6.0# - EROSION CONTROL AND SOIL
TREATMENT BY CONTRACTOR (05/2005)

	AREAS	SEED		FERTILIZER		MULCH	
SUBDIVISION OR SUBDIVISION NUMBER	A) SKID TRAILS B) FIRELINES C) TEMP. ROADS D) LANDINGS E) OTHER	APPLICATION		APPLICATION		APPLICATION	
		SPECIES MIXTURE	LBS/AC	TYPE	LBS/AC	TYPE	LBS/AC
All	A, C, D	<u>1</u> /	22	None		None	

1/ Blue Wild Rye grass seed will be provided by the Forest Service. A co-op deposit of \$0.02/Ton will be collected from the Contractor to cover the cost of culturing, growing, and harvesting seed for use in future contracts.

SPECIFICATIONS PURSUANT TO K-G.7.4.2# - SLASH TREATMENTS REQUIREMENTS
(Option 2) (06/2008)

CONSTRUCTION SLASH. Unless otherwise agreed, all slash as defined in K-G.7 - Slash Disposal, shall be treated.

SPECIFIC DISPOSAL METHOD. Contractor shall pile or scatter all construction slash. Scattering of construction slash shall be outside the Temporary Road clearing limits without damaging trees. All logs shall be limbed. Logs and stumps shall be placed away from trees, positioned so they will not roll, and not be placed on top of one another. Piling of construction slash shall be in accordance with Machine Pile Landings Method of Treatment and Location of Piles below.

In no event will Construction Slash be buried under Temporary Road or landing embankments.

MACHINE PILE LANDINGS

1. AREA SUBJECT TO THIS PROVISION. All landings and the area within 20 feet of the perimeter of these landings shall be machine piled.
2. METHOD OF TREATMENT. Unless otherwise agreed, all slash as defined in K-G.7 - Slash Disposal shall be treated as per Method a, Method b, or Method c below.

Method a: All slash other than those specified pieces described in Method b below shall be placed in a compact, dirt free, uniform pile for later disposal by the Forest Service. The pieces shall be placed so that shifting or rolling will not occur and so that no material will extend over the edge of disposal areas. Piles shall be no higher than 15 feet.

Method b: All pieces meeting green biomass convertible specifications and longer than 10 feet shall be placed in a separate pile(s). The pieces in the pile shall be placed parallel to each other similar to log decks, and placed where shifting and rolling will not occur. Unless otherwise agreed, these piles shall be no higher than 6 feet.

Method c: All slash other than that described above in Method b shall be scattered across landings, temporary roads, skid trails, skyline corridors, or other openings in the immediate area, as designated by Forest Service Contract Inspector. Scattering shall be accomplished in a manner to avoid windrows or piling and shall not exceed a depth of 1 foot from natural forest floor or road/landing surface.

3. LOCATION OF PILES.

- a. Piles as defined in Method a above, shall be located in the center of openings near or on the landings and as far as possible away from residual trees. Unless otherwise agreed, the base of the piles shall be no closer than 10 feet from standing trees. Excess slash which cannot be piled as per these specifications, will be required to be hauled to a disposal site as designated by the Forest Service.
- b. Piles as defined in Method b above, shall be located in agreed upon openings near the landing area adjacent to the road system and be located at least 10 feet away from the pile as defined in a Location of Piles "a" above. These piles can be placed adjacent to standing trees.

4. TIMING OF PILES. Piling of slash shall be done concurrent with yarding on each landing, or within 10 days of completion of yarding on each landing.

SPECIFICATIONS PURSUANT TO K-G.7.4.2# - SLASH TREATMENTS REQUIREMENTS
(Option 2) (06/2008)

5. COVERING PILES. During the construction of each pile, a 100 sq ft (10'x10') piece of 4 ml polyethylene plastic shall be placed on top of the pile when the pile is 2/3 of the way built. The remaining 1/3 of the slash shall be placed on top of the plastic. Kraft-waterproof paper or other similar product may be substituted for the 4 ml plastic.

SCATTER SLASH ALONG ROADS

1. SLASH SPECIFICATION. Unless otherwise agreed, all logging slash more than 2 feet long and less than 3 inches in diameter shall be scattered when in concentrations exceeding 1 foot depth above the natural forest floor and 25 square feet in surface area. Material which is at least 3 inches in diameter on the small end must be limbed and bucked at 3 inches in diameter with the resulting slash meeting the above specification requiring scattering.
2. AREA SUBJECT TO THIS PROVISION. Slash inside Cutting Units 45, 94, and 124 that is within 25 feet slope distance of roads 8533 and 1400 meeting above specification shall be scattered, away from the road, within the cutting unit, and outside of this area.
3. METHOD OF TREATMENT. Unless otherwise agreed, slash meeting the above slash specification shall be hand or machine scattered or incorporated into the landing piles. Any machine used for scattering shall remain on the running surface of the road at all times. Slash shall not be windrowed or piled (unless added to the landing pile). The scattered slash shall be no more than one-foot in depth, measured from mineral soil.
4. TIMING OF PILES. Scattering of slash shall be done concurrent with yarding in the unit, or within 10 days of completion of yarding.

STEWARDSHIP PROJECTS PURSUANT TO K-G.9# - STEWARDSHIP PROJECTS (09/2004)

Project #1: **Small Tree Topping** - see attached project description and specifications.

Project #2: **Down Wood Creation** - see attached project description and specifications.

Project #3: **Road Decommissioning** - see attached project description and specifications.